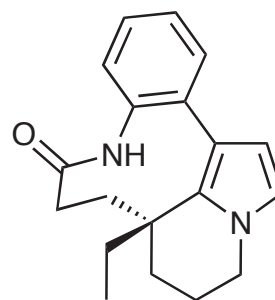


■ REVIEWS

917 Synthesis of Rhazinilam: A Comparative Review of Forty Years of Synthetic Endeavors

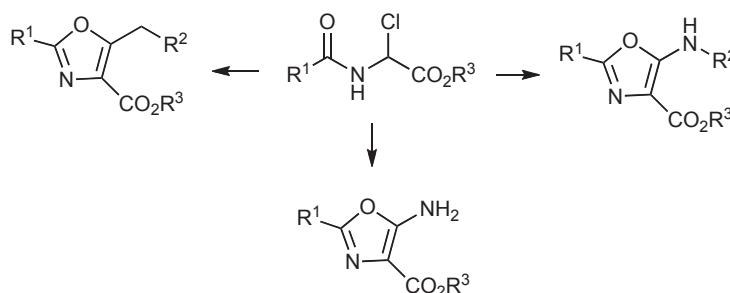
Inga Kholod, Olivier Vallat, Ana-Maria Buciumas, and Reinhard Neier*



Rhazinilam Total Synthesis Retrosynthesis Pyrrole Natural Product

949 Development and Applications of an Oxazole-Forming Reaction

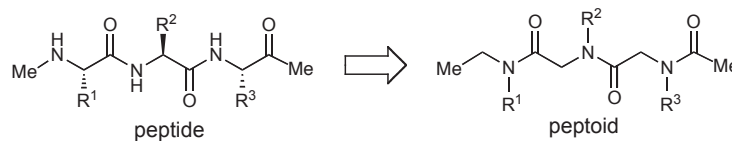
Jianmin Zhang,* Pierre-Yves Coqueron, and Marco A. Ciufolini*



Alkaloid Oxazole Organoaluminum Compound Muscoride Siphonazole

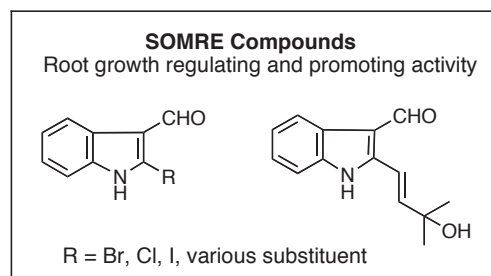
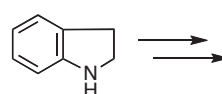
981 Properties and Bioactivities of Peptoids Tagged with Heterocycles

Irene Izzo, Chiara De Cola, and Francesco De Riccardis*


 Peptoid Peptidomimetic Heterocycle Molecular Recognition *N*-Alkyloligoglycine

1007 Indole Chemistry for Combating Yellow Sand and Desertification Directed towards Stopping Global Warming

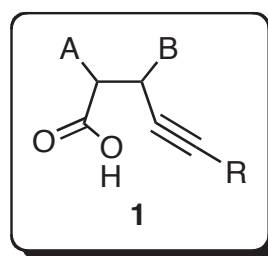
Masanori Somei*



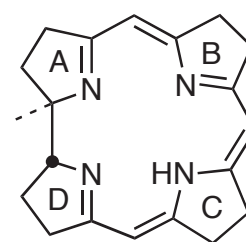
SOMRE Compound Plant Root Growth Promoter 2-Bromoindole-3-carbaldehyde Gobi Desert Indole Chemistry

1029 4-Alkynoic Acids in the Synthesis of Biologically Important Tetrapyrroles

Peter A. Jacobi,* Harry L. Brielmann, Melanie Chiu, Indranath Ghosh, Sheila I. Hauck, Sandra Lanz, Sam Leung, Yongkai Li, Hui Liu, Franzisca Löwer, William G. O'Neal, Douglas Pippin, Elizabeth Pollina, Benjamin A. Pratt, Frédéric Robert, William P. Roberts, Carlos Tassa, and Hui Wang



4-alkynoic acids

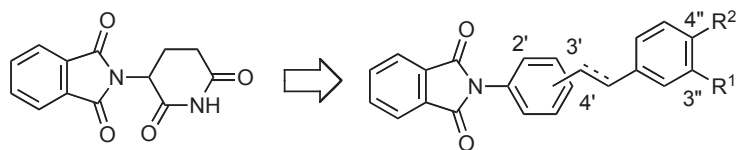


corrins, etc.

Chlorin Bacteriochlorin Corrin Alkynoic Acid Pd(0)-Coupling/Cyclization

1083 Further Application of the Multi-Template Approach for Creation of Biological Response Modifiers: Discovery of a New Class of Multifunctional Anti-Diabetic Agents

Kazunori Motoshima, Tomomi Noguchi-Yachide, Minoru Ishikawa, Yuichi Hashimoto, and Kazuyuki Sugita*

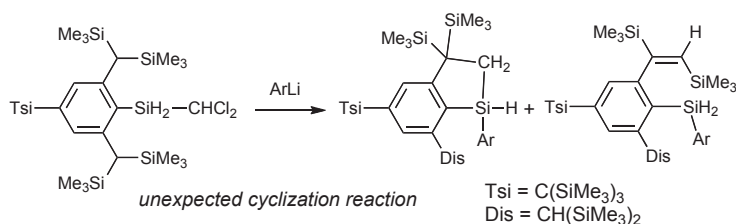


thalidomide (1) as a multi-template

Anti-Diabetic Agent Metabolic Syndrome Multi-Template Thalidomide Scaffold

COMMUNICATIONS
1103 Unexpected Formation of Dihydrobenzosilole Derivative via the Intramolecular Cyclization in the Reaction of Overcrowded Dichloromethylsilane with Aryllithium

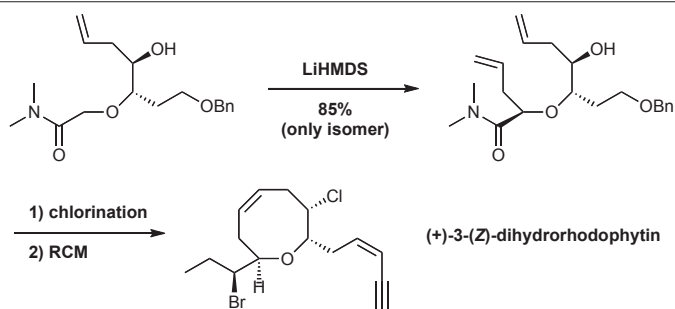
Takahiro Sasamori,* Eiko Mieda, and Norihiro Tokitoh*



Silene Chlorocarbene Dihydrobenzosilole Intramolecular Cyclization Silicate

1113 Concise Substrate-Controlled Asymmetric Total Synthesis of (+)-3-(Z)-Dihydrorhodophytin

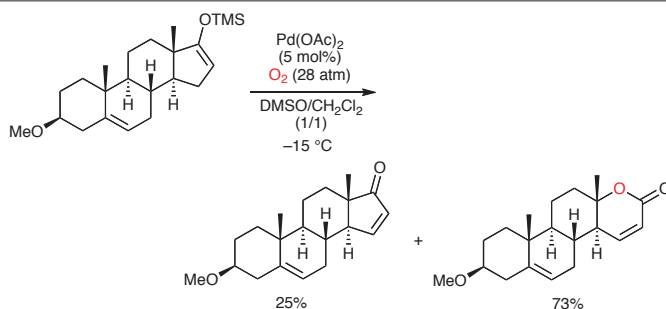
Byungsook Kim, Te-ik Sohn, Sanghee Kim, Deukjoon Kim,* and Jongkook Lee



Total Synthesis (+)-3-(Z)-Dihydrorhodophytin Intermolecular Amide Enolate Alkylation Ring-Closing Metathesis Medium-Sized Oxacycle

1119 Modification of D-Ring Moiety of Steroids – A Novel Palladium Catalyzed Baeyer-Villiger Type Rearrangement of Cyclic Silylenol Ether Derivatives

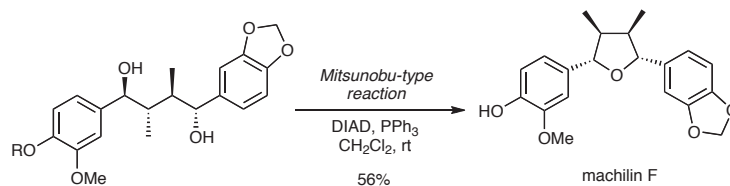
Minoru Tamiya,* Futa Takada, Nobuhisa Isaka, Nahoko Imura, and Masaji Ishiguro*



Steroid Palladium Catalyzed Reaction Baeyer-Villiger Reaction Oxygen Saegusa-Ito Oxidation

1127 Asymmetric Synthesis of (+)-Machilin F by Unusual Stereoselective Mitsunobu Reaction

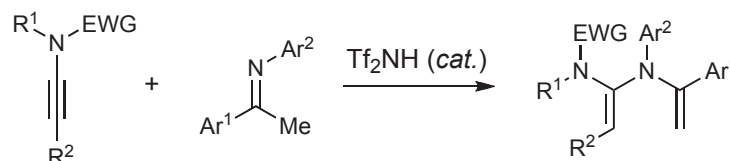
Kenichi Harada, Naoko Kubo, Kazuma Tanabe, Miwa Kubo, Tomoyuki Esumi, Hideaki Hioki, and Yoshiyasu Fukuyama*



Talaumidin Machilin F Asymmetric Synthesis Mitsunobu Reaction Neurotrophic Activity

1133 Unprecedented Synthesis of *N,N*-Divinylamines by Tf₂NH-Catalyzed Reaction of Ynamide with Ketimine

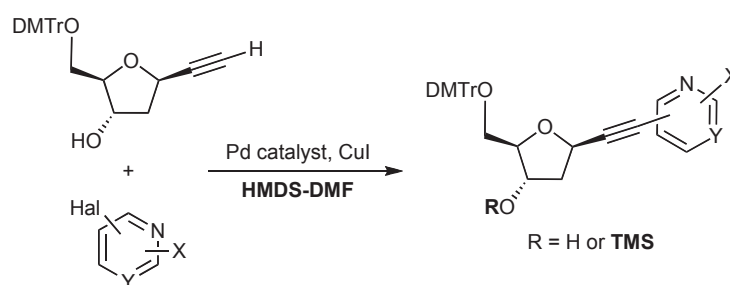
Naoya Shindoh, Yoshiji Takemoto,* and Kiyosei Takasu*



Ynamide Triflic Imide Addition Divinylamine Catalytic Reaction

1137 Hexamethyldisilazane-Promoted Sonogashira Reaction of Polyfunctionalized *M*-Containing Heterocycles

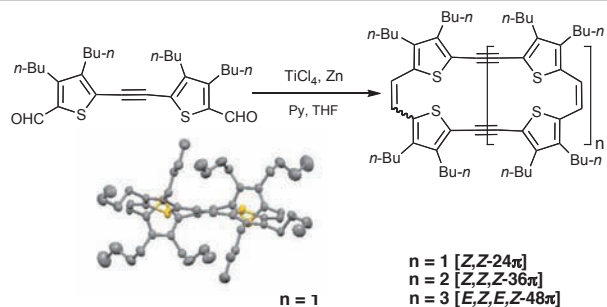
Masahiko Inouye,* Yasuhiro Doi, Junichi Azuchi, Wataru Shirato, Junya Chiba, and Hajime Abe*



Sonogashira Reaction Hexamethyldisilazane Alkynyl C-Nucleoside Pyridone Pyrimidine

1143 McMurry Coupling of Diformyldithienylacetylene: Synthesis of [24]-, [36]-, and [48]Annulenes Composed of Thiophene, Acetylene, and Ethylene Units

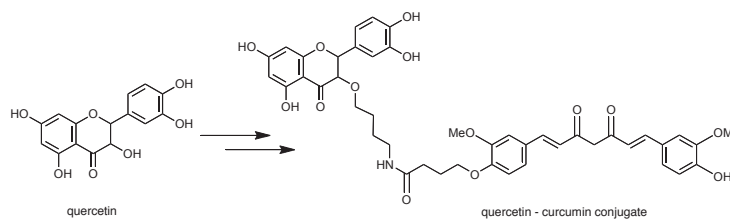
Masahiko Iyoda,* Pochi Huang, Tomohiko Nishiuchi, Masayoshi Takase, and Tohru Nishinaga



McMurry Coupling Reaction Annulene Cyclic Oligothiophene Twisted Structure Dication Formation

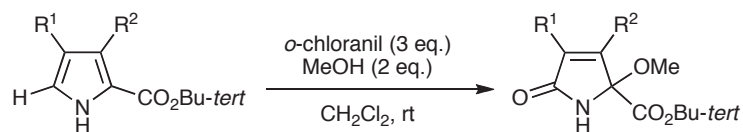
1151 Synthesis of Antioxidant Flavonoid Derivatives

Emiko Yanase, Young P. Jang, and Koji Nakanishi*

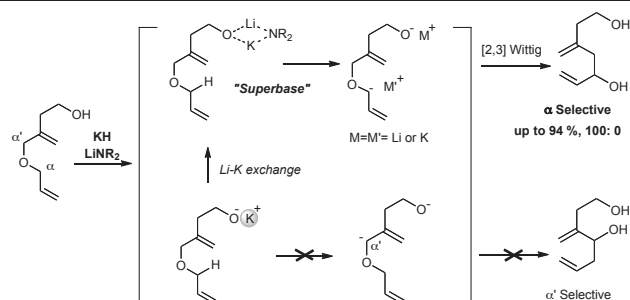


Age-Related Macular Degeneration (AMD) Antioxidant Quercetin Caffeic Acid Curcumin

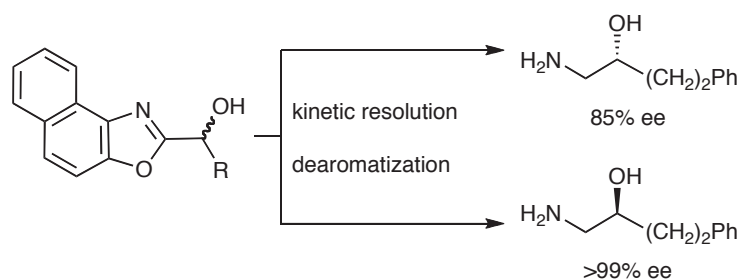
1157 Oxidation of Pyrrole-2-carboxylates with *o*-Chloranil and Its Synthetic Application

 Ryo Sakata, Ryoji Iwamoto, Shuhei Fujinami,
 Yutaka Ukaji,* and Katsuhiko Inomata*

 Oxidation Pyrrole-2-carboxylate *o*-Chloranil 5-Methoxypyrrolin-2-one Derivative Functionalized Pyrrolinone

1163 [2,3] Wittig Rearrangement of β '-Hydroxyethyl Bis-Allylic Ethers: Highly Regiospecific Entry to Singly Dehydroxylated 19-Nor-1(or 3),25-dihydroxy-vitamin D₃

 Koichi Mikami,* Kumiko Fujita, Kazuki Wakabayashi,
 and Shigekazu Ito

 [2,3] Wittig Rearrangement High Regiocontrol in α -Deprotonation Schlosser's Mixed-Metal Amide Base Oxy-Cope Rearrangement Vitamin D₃
1171 Kinetic Resolution of the Racemic 1-(Aryloxazol-2-yl)-carbinols with Achiral Carboxylic Acids by Asymmetric Esterification: A New Method for the Preparation of Chiral 1,2-Amino Alcohols

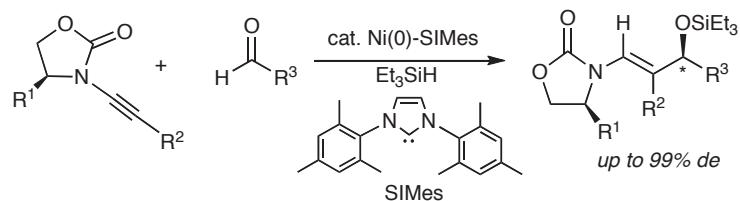
Kenya Nakata, Keisuke Ono, and Isamu Shiina*



Asymmetric Esterification Kinetic Resolution 1-(Aryloxazol-2-yl)carbinol Chiral 1,2-Amino Alcohol BTM

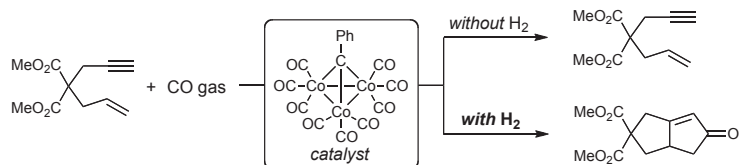
1181 Asymmetric Synthesis of γ -Siloxyenamides *via* Chiral Auxiliary-Mediated Diastereoselective Coupling of Ynamides, Aldehydes, and Silane by Nickel Catalyst

Nozomi Saito, Tomoyuki Katayama, and Yoshihiro Sato*



Ynamide Aldehyde Nickel Diastereoselective Coupling Enamide

1189 Hydrogen-Activated Benzylidynecobalt Nonacarbonyl: Carbonylative Cyclization of Enynes in Synthesis Gas without Reducing Substrates and Products

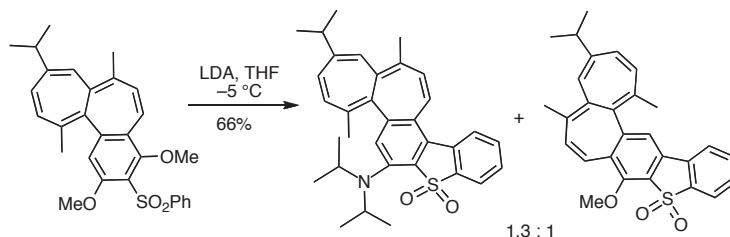
 Takumichi Sugihara,* Akihito Wakabayashi, Mugio Nishizawa,
 and Shinobu Honzawa


Carbonylative Cyclization Benzylidynecobalt Nonacarbonyl Hydrogen Carbon Monoxide Cyclopentenone

■ PAPERS

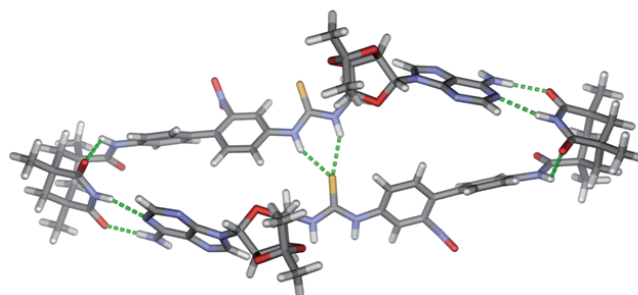
1195 Nucleophilic Reactions of 9-Isopropyl-2,4-dimethoxy-7,12-dimethyl-3-(phenylsulfonyl)benzo[*a*]heptalene with Lithium Dialkylamides

Samir El Rayes, Anthony Linden, Khaled Abou-Hadeed, and Hans-Jürgen Hansen*


 Benzo[*a*]heptalene Nucleophilic Dibenzothiophene Dioxide Aromatic Substitution LDA as Nucleophile Deprotonation of Diphenyl Sulfone

1203 Autocatalysis and Organocatalysis with Kemp's Triacid Compounds

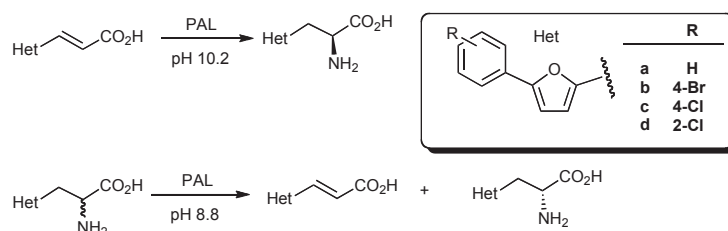
Dariush Ajami, Seiji Kamioka, Aaron C. Sather, Richard J. Hooley, and Julius Rebek, Jr.*



Autocatalysis Organocatalysis Self-Replication Template Synthesis Molecular Recognition

1217 2-Amino-3-(5-phenylfuran-2-yl)propionic Acids and 5-Phenylfuran-2-ylacrylic Acids are Novel Substrates of Phenylalanine Ammonia-Lyase

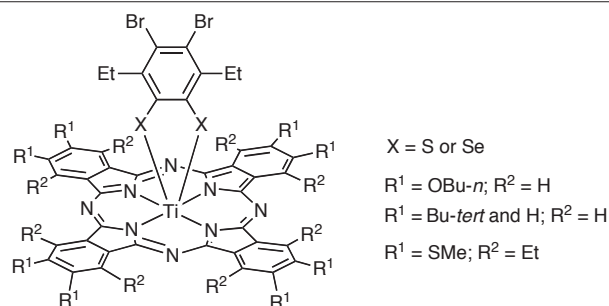
Csaba Paizs, Monica Ioana Toşa, László Csaba Bencze, Jürgen Brem, Florin Dan Irimie, and János Rétey*



Biocatalysis MIO Enzyme Enantioselectivity Enzyme Mechanism Chemical Synthesis

1229 Preparation and Electrochemical Properties of Phthalocyaninato Titanium(IV) and Porphyrinato Titanium(IV) Benzenedichalcogenolates

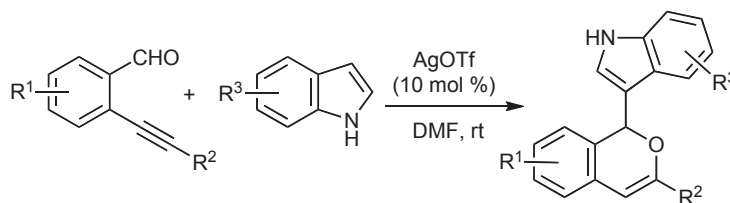
Takeshi Kimura,* Kaori Amano, Arata Yamamoto, and Toshiharu Namao



Phthalocyanine Porphyrin Titanium S Ligand Se Ligand

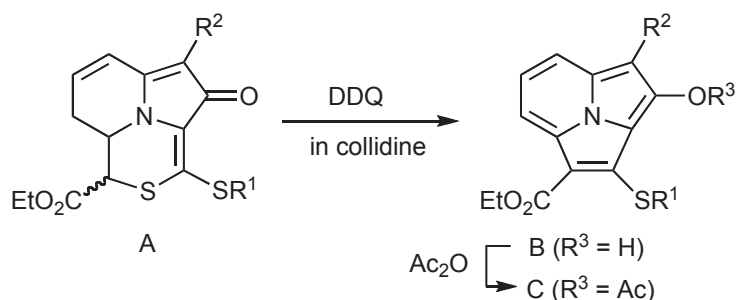
1239 Generation of 3-(1*H*-Isochromen-1-yl)-1*H*-indole via Silver Triflate-Catalyzed Tandem Reaction of 2-Alkynylbenzaldehyde with Indole

Banlai Ouyang, Jianjun Yuan, Qin Yang, Qiuping Ding, Yiyuan Peng,* and Jie Wu*


 2-Alkynylbenzaldehyde Indole 3-(1*H*-Isochromen-1-yl)-1*H*-indole Silver Triflate

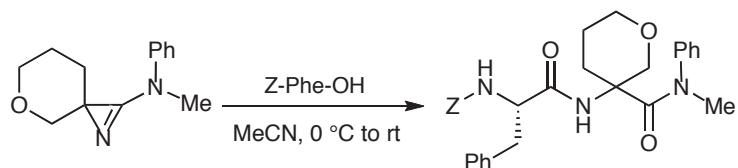
1251 A New Synthetic Approach to Some Functionalized Cycl[3.2.2]azine Derivatives

Hideyuki Muranaka, Akikazu Kakehi,* Hiroyuki Suga, and Kennosuke Itoh


 Cycl[3.2.2]azine 4(1*H*)-8,8a-Dihydro-1,4-thiazino[3,4,5-*cd*]indolizinone Dehydrogenation Desulfurization X-Ray Analysis

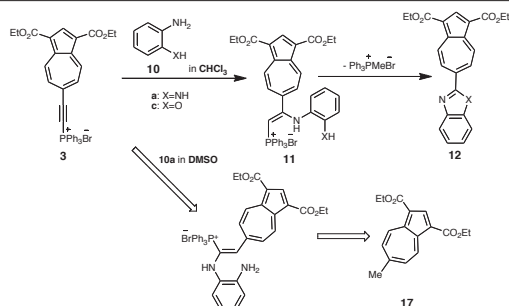
1267 *N*-Methyl-*N*-phenyl-5-oxa-1-azaspiro[2.5]oct-1-en-2-amine — Synthesis and Reactions of a Synthon for an Unknown α -Amino Acid

Michael Löpfe, Anthony Linden, and Heinz Heimgartner*


 3-Aminotetrahydropyran-3-carboxylic Acid 2*H*-Azirin-3-amine 5-Oxa-1-azaspiro[2.5]oct-1-en-2-amine Peptide Synthesis X-Ray Crystallography

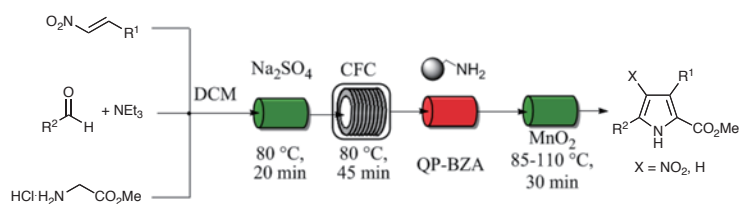
1283 2-[1,3-Bis(ethoxycarbonyl)azulen-6-yl]ethynyl-triphenylphosphonium Bromide

Noboru Morita,* Shiro Moriyama, Kozo Toyota, Masataka Watanabe, Shigeru Kikuchi, Shunji Ito, and Kunihide Fujimori


 Azulene 2-Azulen-6-ylethynyltriphenylphosphonium Bromide 2-Azulen-6-ylbenzoazole Nucleophilic Addition 6-(1*H*-Perimidin-2-yl)azulene

1297 Synthesis of Highly Substituted Nitropyrrolidines, Nitropyrrolizines and Nitropyrroles *via* Multicomponent-Multistep Sequences within a Flow Reactor

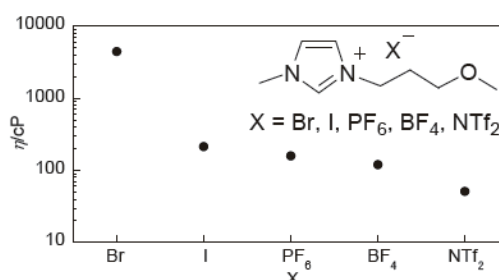
Marcus Baumann, Ian R. Baxendale, Andreas Kirschning, Steven V. Ley,* and Jens Wegner



Flow Chemistry Micro-Reactor Cycloaddition Pyrrolidine Heterocycle

1317 Synthesis and Properties of *N*¹-(3-Methoxypropyl)-*N*³-methylimidazolium Salts

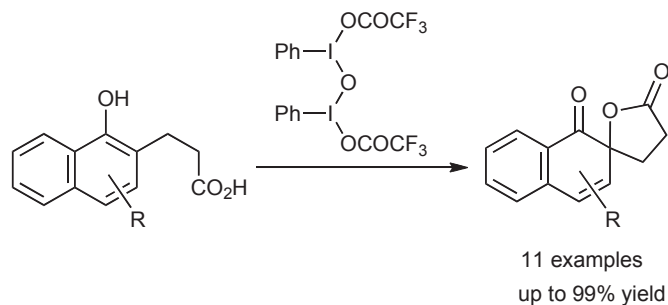
Eigo Miyazaki,* Nozomi Ishine, Kazuo Takimiya,* and Hiroyuki Kai



Ionic Liquid Imidazolium Salt Low Viscosity Dye-Sensitized Solar Cell

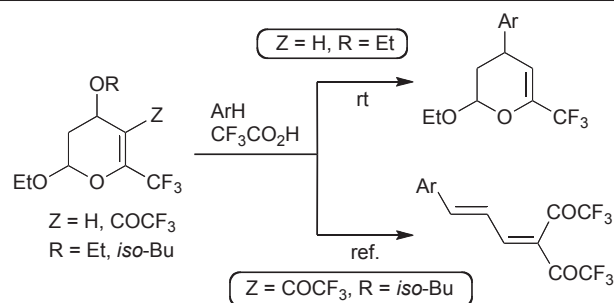
1327 Efficient Phenolic Oxidations to Construct *ortho*-Spirolactone Structures Using Oxo-Bridged Hypervalent Iodine(III) Compound

Naoko Takenaga, Teruyoshi Uchiyama, Daishi Kato, Hiromichi Fujioka, Toshifumi Dohi, and Yasuyuki Kita*


Ortho-Spirolactone Phenolic Oxidation Hypervalent Iodine μ -Oxo-Bridged Structure Intramolecular Cyclization

1337 A Molecular Orbital Calculation Study on the Interesting Reactivity of Fluorine-Containing 3,4-Dihydro-2*H*-pyrans with Aromatic Compounds in the Presence of Trifluoroacetic Acid

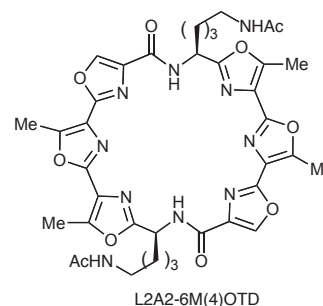
Norio Ota, Yasuhiro Kamitori,* Eisuke Nishiguchi, Makoto Ishii, and Etsuji Okada*



Fluorine-Containing Heterocycle Dihydropyran Trifluoroacetic Acid Perylium Molecular Orbital Calculation

1345 Design and Synthesis of Telomestatin Derivatives Containing Methyl Oxazole and Their G-Quadruplex Stabilizing Activities

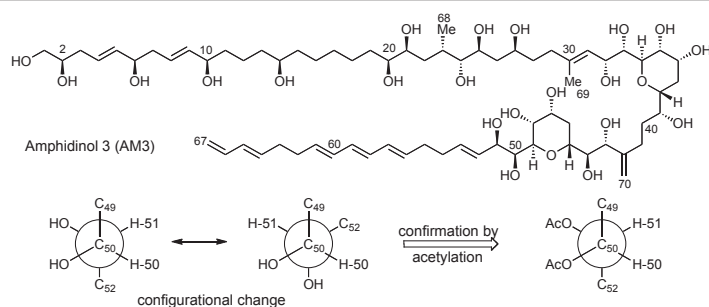
Satoki Majima, Masayuki Tera, Keisuke Iida, Kazuo Shin-ya, and Kazuo Nagasawa*



G-Quadruplex Telomestatin Oxazole Methyl Oxazole Nucleic Acid

1359 Structural Reevaluations of Amphidinol 3, a Potent Antifungal Compound from Dinoflagellate

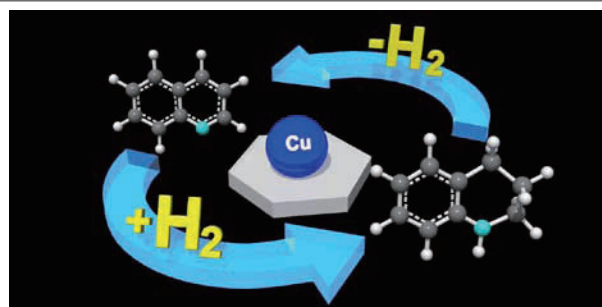
Respati T. Swasono, Mitsunori Kanemoto, Nobuaki Matsumori, Tohru Oishi, and Michio Murata*



Marine Toxin Conformation Hairpin Configuration Toroidal Pore

1371 Reversible Dehydrogenation-Hydrogenation of Tetrahydroquinoline-Quinoline Using a Supported Copper Nanoparticle Catalyst

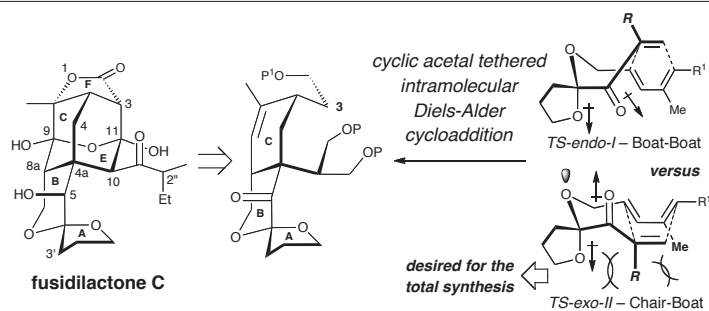
Yusuke Mikami, Kaori Ebata, Takato Mitsudome, Tomoo Mizugaki, Koichiro Jitsukawa, and Kiyotomi Kaneda*



Copper Nanoparticle Catalyst Organic Hydride Hydrogenation Dehydrogenation

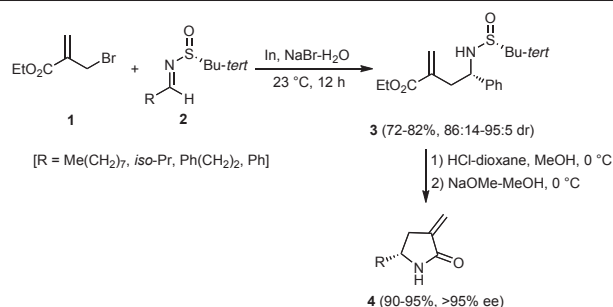
1379 A Cyclic Acetal Tethered Intramolecular Diels-Alder Cycloaddition. Studies Directed toward a Total Synthesis of (±)-Fusidilactone C

Sunil K. Ghosh, Yonggang Wei, Aleksey I. Gerasyuto, John B. Feltenberger, Jiashi Wang,* and Richard P. Hsung*


 Cyclic Acetal *Endo*-Selective Intramolecular Diels-Alder Cycloaddition Usidilactone C Oxo-Adamantane Skeleton H-Bonding

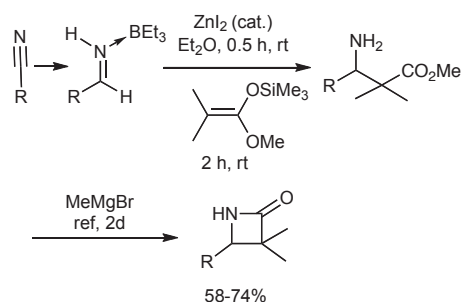
1411 Enantioselective Synthesis of α-Methylene-γ-butyrolactams Using *N*-tert-Butanesulfinamides

Haythem K. Dema, Francisco Foubelo,* and Miguel Yus*


 α-Methylene-γ-butyrolactam Diastereoselective Allylation Indium *N*-tert-Butanesulfinamide

1423 Preparation of β-Amino Esters and β-Lactams from Nitriles via Aldimine-Borane Complexes

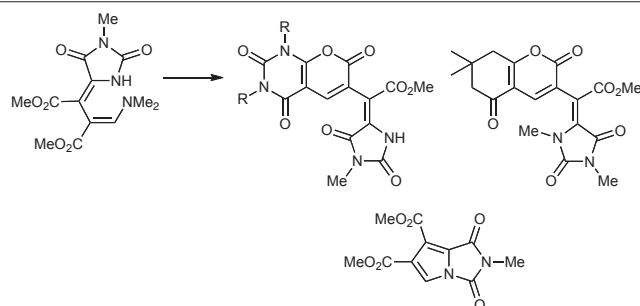
P. Veeraraghavan Ramachandran,* Debanjan Biswas, and Guang-Ming Chen



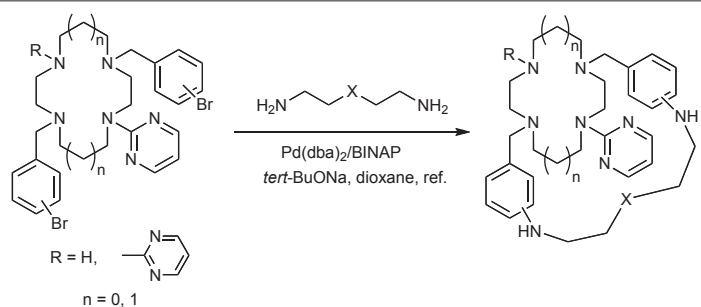
Nitrile Aldimine β-Amino Ester β-Lactam Cycloaddition

1435 Transformations of Dimethyl (2*E*,3*E*)-2-[(Dimethylamino)methylene]-3-(1-methyl-2,5-dioximidazolidin-4-ylidene)succinate with *C*-Nucleophiles

Uroš Uršič, Jurij Svete, and Branko Stanovnik*

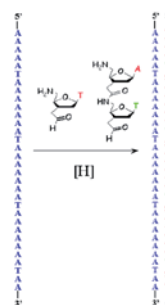

1447 Synthesis of Macrobi- and Macrotricyclic Compounds Comprising Pyrimidyl Substituted Cyclen and Cyclam

Sergei M. Kobelev, Alexei D. Averin, Alexei K. Buryak, Franck Denat, Roger Guillard,* and Irina P. Beletskaya*



Macrocycle Amination Polyamine Pd Catalysis Pyrimidine

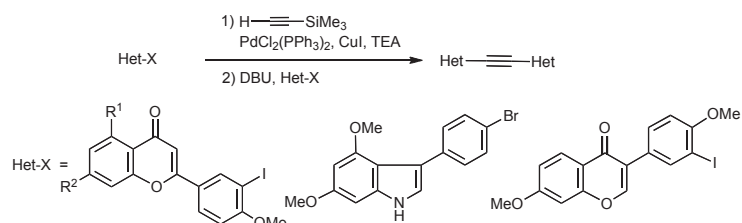
1477 Step-Growth Control in Template-Directed Polymerization

 Xiaoyu Li, Andres F. Hernandez, Martha A. Grover,
 Nicholas V. Hud, and David G. Lynn*


Self-Organization Chemical Evolution Molecular Information Storage and Transfer

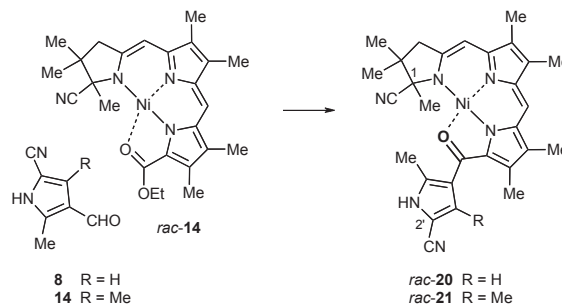
1489 Synthesis of New Biheterocycles by a One-Pot Sonogashira Coupling Reaction

Mandar Deodhar, David StC Black,* and Naresh Kumar*



Sonogashira Coupling Reaction Biheterocycle Synthetic Methodology Biflavone Biindole

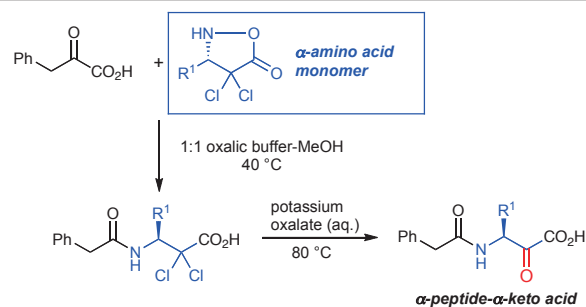
1503 Unusual Oxidation in the Course of Synthesis of *N*-Confused Nickel Tetrahydrobilins

 Jan-Erik Damke, Torben König, Gerold Haake,
 Lechosław Latos-Grażyński, and Franz-Peter Montforts*


Nickel Tetrahydrobilin Oxotetrahydrobilin Unusual Oxidation

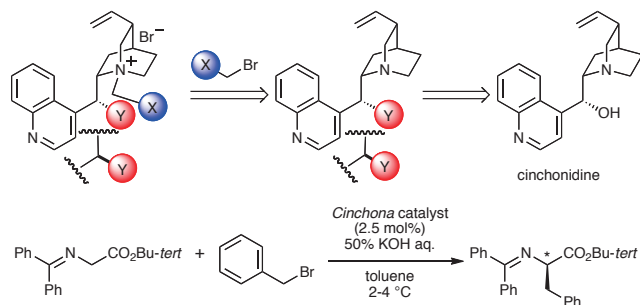
1515 α,α -Dichloroisoxazolidinones for the Synthesis and Chemoselective Peptide Ligation of α -Peptide α -Ketoacids

Tetsuo Narumi and Jeffrey W. Bode*


 Peptide Isoxazolidine α -Keto Acid Amide Asymmetric Synthesis

1527 Deconstructing Quinine. Part 1. Toward an Understanding of the Remarkable Performance of *Cinchona* Alkaloids in Asymmetric Phase Transfer Catalysis

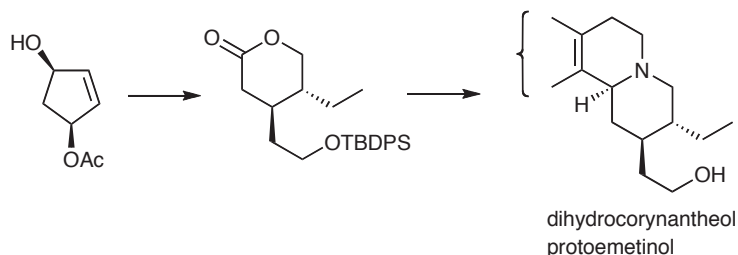
Scott E. Denmark* and Robert C. Weintraub



Phase Transfer Catalysis Cinchona Alkaloid Asymmetric Alkylation Structure/Activity/Selectivity Relationships Chiral Ammonium Salt

1541 Convenient Synthesis of the Key Intermediate for Dihydrocorynantheol and Protoemetinol from the Monoacetate of 4-Cyclopentene-1,3-diol

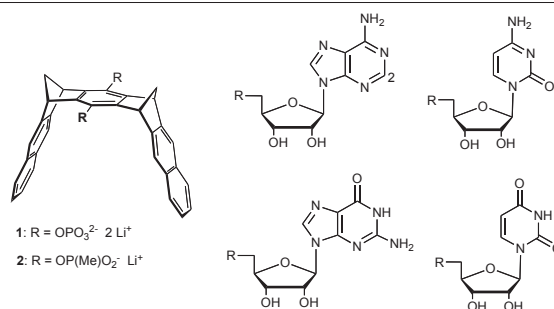
Yuichi Kobayashi,* Kaori Yagi, and Yuki Kaneko



Dihydrocorynantheol Protoemetinol 4-Cyclopentene-1,3-diol Stereoselective Reaction δ-Lactone

1549 Non Covalent Inclusion of Nucleosides and Nucleotides in Water-Soluble Molecular Clips

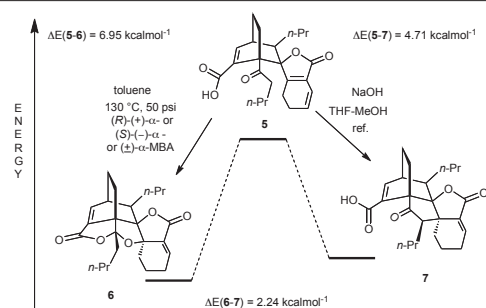
Frank Bastkowski, Jolanta Polkowska, Thomas Schrader,* and Frank-Gerrit Klärner*



Molecular Clip Nucleotide Supramolecular Chemistry Host-Guest Complex Molecular Recognition

1567 Differentiated Cyclization of the Ketoacid Derived from Tokinolide B

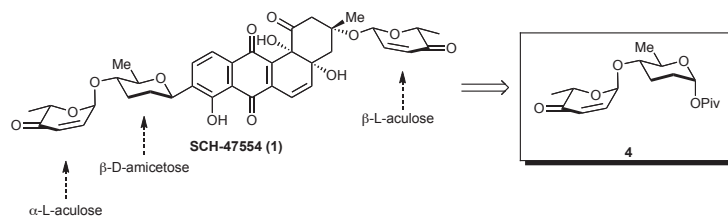
Alejandra León, Rubén A. Toscano, J. Antonio Cogordán, and Guillermo Delgado*



Phthalide Intramolecular Cyclization Michael Addition C-Alkylation O-Alkylation

1577 De Novo Asymmetric Approach to the Disaccharide Portion of SCH-47554

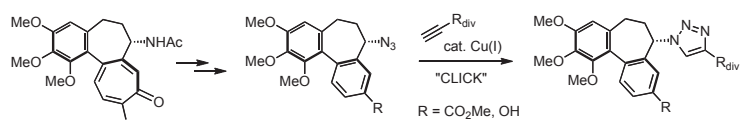
Xiaomei Yu, Miaosheng Li,* and George A. O'Doherty*



De Novo Asymmetric Synthesis Noyori Reduction Aculose SCH7554 Amictose

1585 A Convenient Entry to New C-7-Modified Colchicinoids through Azide Alkyne [3+2] Cycloaddition: Application of Ring-Contractive Rearrangements

Norman Nicolaus, Jens Reball, Nikolay Sitnikov, Janna Velder, Andreas Termath, Alexey Yu. Fedorov, and Hans-Günther Schmalz*



1,3-Dipolar Cycloaddition 1,2,3-Triazole Click Chemistry Alkaloid Antitumor Compound Rearrangement

1601 Design and Synthesis of Photocleavable Biotinylated-Dopamine with Polyethyleneoxy Photocleavable Linkers

Kengo Hanaya, Yoshiyuki Kageyama, Masanori Kitamura, and Shin Aoki*

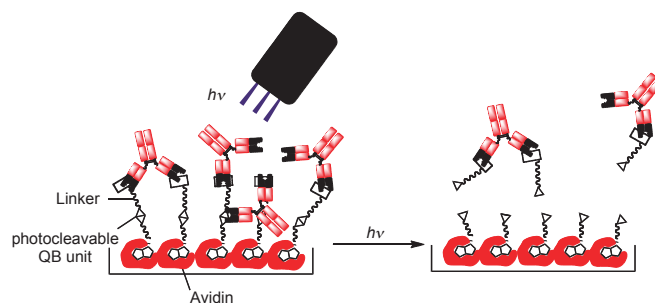
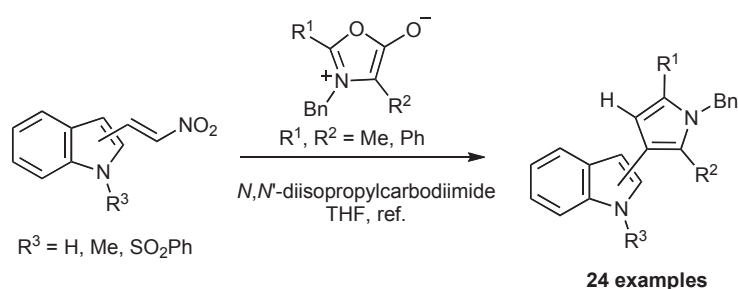


Photo Reaction Quinololinol Sulfonate Biotin QCM

1617 Synthesis of 2- and 3-Indolylpyrroles via 1,3-Dipolar Cycloadditions of Münchnones and Nitroalkenes

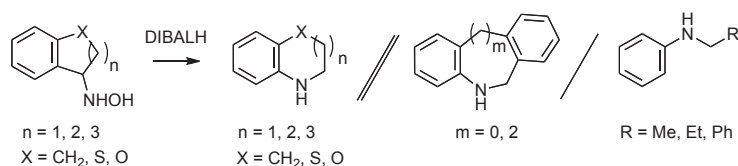
Justin M. Lopchuk and Gordon W. Gribble*



Mesoionic Cycloaddition Regioselectivity

1633 Regiospecific Rearrangement of Hydroxylamines to Secondary Amines Using Diisobutylaluminum Hydride

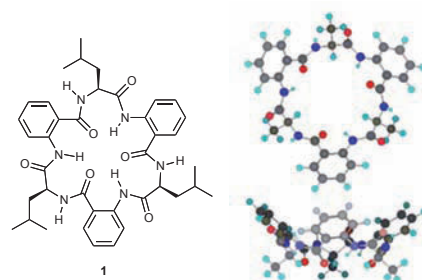
Hidetsura Cho,* Kenji Sugimoto, Yusuke Iwama, Nakako Mitsuhashi, Kentaro Okano, and Hidetoshi Tokuyama*



Diisobutylaluminum Hydride Hydroxylamine Reductive Ring Expansion Reaction Rearrangement Partial Phenonium Cation

NOTES
1645 Synthesis of a Chiral C_3 -Symmetric Bowl-Shaped Cyclohexapeptide Composed of Anthranilic Acid and Leucine

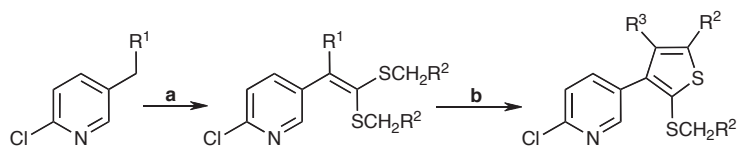
Motohiro Akazome,* Masashi Enzu, Yohei Goto, and Shoji Matsumoto



Peptide Synthesis Aminobenzoic Acid Chiral Bowl Shape Hydrogen Bond Conformation

1657 The Preparation of Ketene Dithioacetals and Thiophenes from Chloropyridines Containing an Active Methylene Group

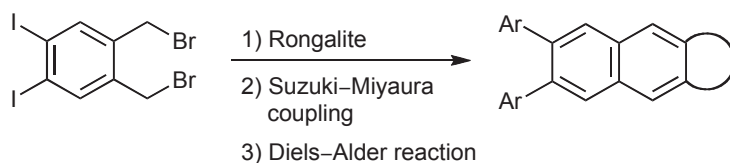
Keith R. Sturrock,* David H. Bremner, and Grant Wishart


 $R^1, R^2 = \text{CN}, \text{CO}_2\text{Et}; R^3 = \text{NH}_2, \text{OH}$
 $\text{a: NaH, DMSO, CS}_2, \text{ClCH}_2\text{R}^1; \text{b: NaOEt, EtOH}$

Base Catalysed Reaction Cyclization Thorpe Reaction Dieckmann Reaction Carbon Disulfide

1663 Synthesis of Polycyclic Aromatics from a Diiodosultine by Suzuki-Miyaura Cross-Coupling and Diels-Alder Reaction

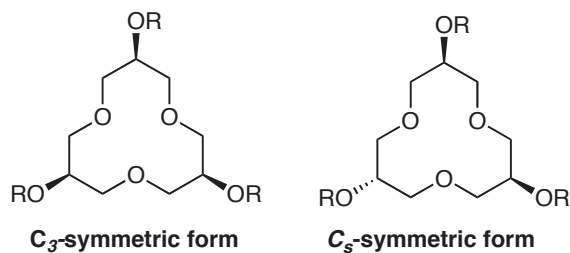
Sambasivarao Kotha* and Milind Meshram



Polycyclic Compound Building Block Approach Diels-Alder Reaction Suzuki-Miyaura Cross-Coupling Reaction Boronic Acid

1669 Synthesis of C_3 and C_s Symmetric Cyclic Triglycerols

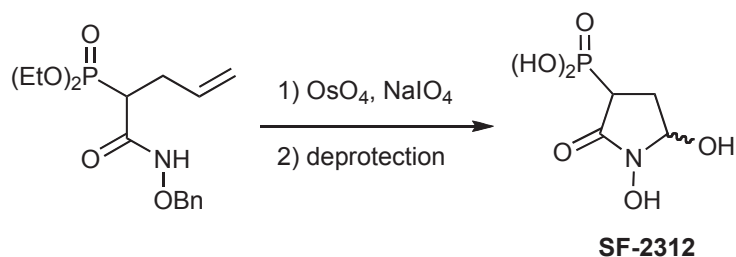
Masahiro Hamada, Ryou Fujiwara, Takao Kishimoto, and Noriyuki Nakajima*


 $R = \text{Bn and H}$

Cyclic Polyglycerol Glycerin Oligomer Authentic Standard Crown Ether Phase Transfer Catalyst

1675 An Efficient Synthesis of Antibiotic SF-2312 (3-Dihydroxyphosphoryl-1,5-dihydroxy-2-pyrrolidone)

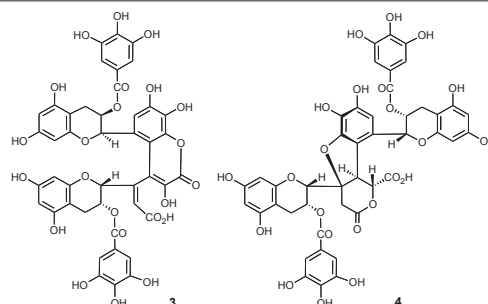
Tadashi Hanaya* and Chika Itoh



Phosphonic Acid Hydroxamic Acid Antibiotic 2-Pyrrolidone C-P Bond

1685 New Oxidation Products from (-)-Epigallocatechin Gallate in Neutral Solution

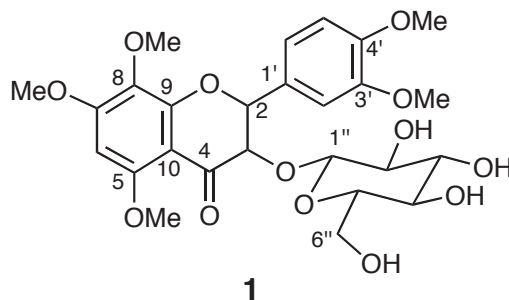
Takayo Ohyabu, Shoko Taniguchi, Hideyuki Ito, and Tsutomu Hatano*



Polyphenol Epigallocatechin Gallate Catechin Tannin Oxidation

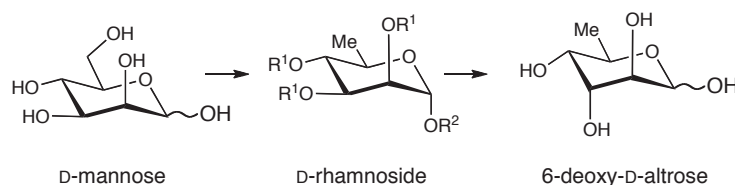
1693 Polymyrifline A, a New Polymethoxyflavone from *Citrus aurantium* var. *myrtifolia*

Yusuke Hirasawa, Mari Hirata, Katsuya Haruna, Masahiro Takeda, Kazunori Ogawa, and Hiroshi Morita*


Citrus aurantium var. *myrtifolia* Polymyrifline A Polymethoxyflavone NO Production Inhibitory Activity

1699 Synthesis of 6-Deoxy-D-altrose Used as an Authentic Sample to Identify an Unknown Monosaccharide Isolated from the Fruiting Body of an Edible Mushroom

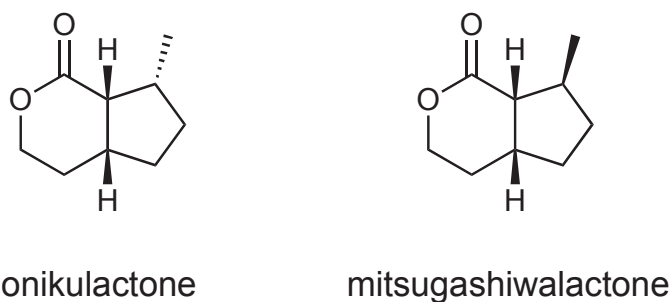
Masashi Yamada, Fumi Yoshida, Hiromune Ando, Hideharu Ishida,* Makoto Kiso, and Masakuni Tako



6-Deoxy-D-altrose Rare Sugar D-Mannose D-Rhamnoside Mushroom

1705 Second Generation Palladium-Catalyzed Cycloalkenylation in Iridoid Lactone Synthesis: Total Syntheses of (±)-Onikulactone and (±)-Mitsugashiwalactone

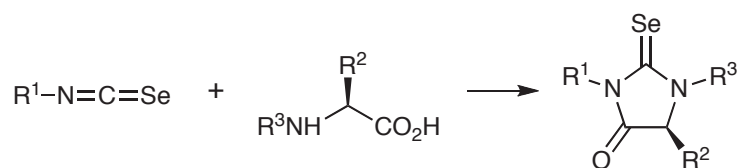
Megumi Saeki and Masahiro Toyota*



Onikulactone Mitsugashiwalactone Iridoid Lactone Cycloalkenylation Lactone Ester

1709 Synthesis of Selenohydantoins from Isoselenocyanates and α-Amino Acids

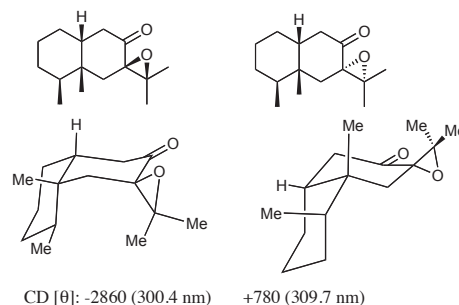
Hajime Maeda,* Koichi Sakata, Masaru Takashima, Tatsuya Watanabe, Nobuteru Mizukami, Mitsunori Honda, and Masahito Segi*



Selenium Nucleophilicity Cumulene Condensation Heterocycle

1719 Structures of Fukinone Epoxides. Configuration, Conformation, and CD Spectra

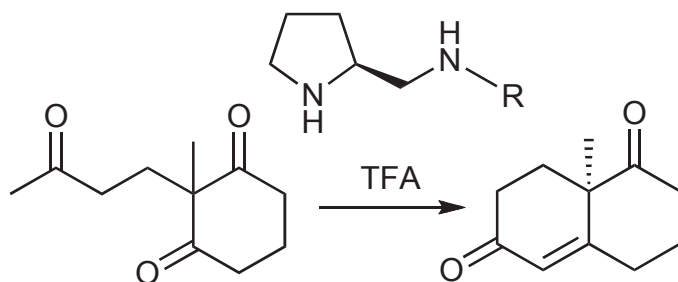
Yoshinori Saito and Motoo Tori*



CD Spectra Epoxy Ketone Absolute Configuration Fukinone X-Ray Analysis

1727 **Asymmetric Intramolecular Aldol Reaction Mediated by (*S*)-*N*-Substituted-*N*-(2-pyrrolidinylmethyl)amine to Prepare Wieland-Miescher Ketone**

Yuichi Akahane, Kohei Inomata,* and Yasuyuki Endo



Organocatalysis Wieland-Miescher Ketone *N*-Substituted-*N*-(2-pyrrolidinylmethyl)pyrrolidine Chiral Synthesis Trifluoroacetic Acid

1739 **Oxidative Coupling of Indoles with 3-Oxindoles**

Mikkel Jessing and Phil S. Baran*



Indole Oxindole Oxidative Coupling Alkaloid Oxidation

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1775 **Immobilisation of the Vitamin B₁₂ Derivative B₁₂-Tyramide
on Electrode Surfaces**

Luisa M. Abrantes, Jorge P. Correia, Ana M. Tenreiro, and
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